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NOTES ON A SMALL COLLECTION OF HEPATICS FROM OREGON

WM. HY. PEARSON

I have had the opportunity of examining these specimens through the kindness of Mr. James Murray, of Carlisle, who received them from the collector, Mr. Charles Potter, of Portland, Oregon. The material was collected during October, 1920. The locality, McKleay Canyon, is, I understand, within the limits of Portland. Specimens have been deposited in the Manchester Museum, England.

Aneura latifrons Lindb.—Monoicous. Stems digitate; margin a layer of one to two single cells; branches of 2-3 cells; cortical cells small, 25 antical and 25 postical, 3 large inner cells thick at the middle, 12 cells broad; bracts surrounding the calyptra laciniate, 5-6 cells long; calyptra tuberculate. Male spikes small, narrow; bracts 4-6 pairs.—McKleay Canyon.

Chiloscyphus adscendens Sulliv.—Some leaves acutely bidentate, under leaves quadrifid, bracts bidentate.—Growing with *Calypogeia fissa*, McKleay Canyon.

Cephalozia Lammersiana (Huebn.) Spruce.—Monoicous; bracts of female flowers entire or slightly notched on one side; male bracts with very large underleaves.—On rocks, south side of McKleay Canyon.

Cephalozia media Lindb.—Dioicous; female bracts entire.—On rocks, south side of McKleay Canyon.

Calypogeia fissa (L.) Raddi.—Insertion of the leaves between patent-divergent and patent (60°); leaves 1.1×0.9 mm.; walls thick, no trigones.—On a bank in a damp location, McKleay Canyon.

Lepidozia reptans (L.) Dum.—On rocks, south side of McKleay Canyon.

Scapania Bolanderi Aust.—On rocks, south side of McKleay Canyon.

Madotheca platyphylloidea Schweintz.—Female bracts, lobe, and lobule acute, denticulate; bracteole obovate, slightly denticulate; perianth with a wide mouth fringed with 25 four-celled, hamate teeth, composed of very small cells; male spikes on chief stem or branches, bracts in four pairs, lobe-apex obtuse, lobule smaller, apex acute, upper portion reflexed; bracteole entire, apex rotundate; two large antheridia in each bract.—On dead trees, and on a damp bank; McKleay Canyon. On dry, shady soil, Clackamas Canyon.

Lejeunea cavifolia (Ehrh.) Lindb.—On dry soil in shade, Clackamas Canyon.

Frullania Californica (Aust.) Evans.—Neatly pinnate; leaves semi-cordate, lobule erect, close to stem, saccate; underleaves oval-rotund.

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